

CURRICULUM VITAE

Michael J Moulton, MD

CAMPUS ADDRESS: Department of Surgery-Cardiothoracic Surgery
982315 Nebraska Medical Center
Omaha, NE 68198-2315
Phone: (402) 559-4424
Email: michael.moulton@unmc.edu

EDUCATION

1982 - 1986 B.A., Magna Cum Laude in Mathematics, Amherst College, Amherst MA
1986 - 1990 M.D., Harvard Medical School, Boston, MA

POST DEGREE TRAINING

7/1990 - 6/1991 Intern, General Surgery, Washington University School of Medicine
7/1991 - 6/1992 Junior Assistant Resident, General Surgery, Washington University School of Medicine
7/1992 - 6/1995 Research Fellow, Dept of Surgery, Washington University School of Medicine
7/1995 - 6/1996 Senior Resident, General Surgery, Washington University School of Medicine
7/1996 - 6/1997 Chief Resident, General Surgery, Washington University School of Medicine
7/1997 - 6/1998 Resident, Cardiothoracic Surgery, Washington university School of Medicine
7/1998 - 6/1999 Chief Resident, Cardiothoracic Surgery, Washington University School of Medicine

ACADEMIC APPOINTMENTS

2006 - 2012 Staff Surgeon, Cardiothoracic Surgery, University Physicians Healthcare, Tucson, AZ
2012 - Present Professor and Chief, Cardiothoracic Surgery, University of Nebraska Medical Center, Omaha, NE
2010 - 2012 Professor of Surgery, Cardiothoracic Surgery, University of Arizona College of Medicine, Tucson, AZ
2010 - 2012 Program Director, Cardiothoracic Residency Program, University of Arizona College of Medicine, Tucson, AZ
2010 - 2011 Interim Chief, Division of Cardiothoracic Surgery, University of Arizona College of Medicine, Tucson, AZ
2007 - 2012 Surgical Director, Lung Transplantation and Heart Transplantation, University of Arizona College of Medicine, Tucson, AZ
2007 - 2010 Associate Professor of Surgery, Cardiothoracic Surgery, University of Arizona College of Medicine, Tucson, AZ
2006 - 2012 Heart, Lung and Heart-Lung Transplant Surgeon, University of Arizona College of Medicine, Tucson, AZ
2006 - 2007 Assistant Professor of Clinical Surgery, Cardiothoracic Surgery, University of Arizona College of Medicine, Tucson, AZ
2010 - 2012 The Tony Marnell Endowed Professor, Cardiovascular Research Sarver Heart Center, University of Arizona, Tucson, AZ
2011 - 2012 Chief of Staff Elect, Univ Medical Center, Univ of Arizona College of Medicine, Tucson, AZ
2005 - 2012 Staff Surgeon, Cardiothoracic Surgery, Southern Arizona VA Health Care System, Tucson, AZ
2014 - 2022 Physician Executive, Cardiovascular Services, Nebraska Medicine, Omaha, NE
2004 - 2005 Acting Chief, Surgery, Keesler AFB Medical Center, Biloxi, MS

2000 - 2005	Chief, Cardiothoracic Surgery, Keesler AFB Medical Center, Biloxi, MS
1999 - 2000	Staff, Cardiothoracic Surgery, Keesler AFB Medical Center, Biloxi, MS
2005 - 2007	Staff Surgeon, Davis-Monthan Airforce Base, Tucson, AZ
2006 - 2007	Surgical Flight Commander, Balad Air Force Base Hospital, Balad
2019 - Present	Guest Examiner, American Board of Thoracic Surgery
2009 - 2012	Affiliate Member, Applied Mathematics Department

CERTIFICATIONS AND LICENSES

Present	Nebraska Medical License 26579
1998 - 2022	Diplomate, American Board of Surgery 16509
2000 - 2022	Diplomate, American Board of Thoracic Surgery 6411
1990 - Present	Missouri Medical License T16982
1990 - Present	Diplomate, National Board of Medical Examiners
1994 - Present	Missouri Medical License 106752
2005 - Present	Mississippi Medical License 18791
2005 - Present	Arizona Medical License 34904

GRANTS AND CONTRACT SUPPORT

ACTIVE

Title:	Optimize PRO TAVR Post Market Study
ID Number:	Optimize PRO
Funding Agency:	Medtronic, Inc.
Project Period:	2020 - 2023
Total Dollars:	\$44,516
Direct Cost:	\$35,949
Role:	Principal Investigator

Title:	EValuatIon of the PantheriS OptIcal COherence Tomography ImagiNg Atherectomy System for use in the Peripheral Vasculature (VISION Trial)
ID Number:	P0555
Funding Agency:	Avinger, Inc.
Project Period:	2014 - 2016
Total Dollars:	\$102,211
Direct Cost:	\$90,096
Role:	Principal Investigator

PENDING

Title: Concentric remodeling of the left ventricle: role in heart failure with preserved ejection fraction
ID Number: 1R21AG086957-01A1
Funding Agency: DHHS/NIH/NIA
Project Period: 2024 - 2027
Total Dollars: \$630,332
Direct Cost: \$503,436
Role: Principal Investigator

COMPLETED

Title: A Prospective, Multicenter, Randomized, Double-Blind, Placebo-Controlled Study to Evaluate the Safety and Efficacy of Preoperative Antithrombin Supplementation in Patients Undergoing High-Risk Cardiac Surgery with Cardiopulmonary Bypass

ID Number:
Funding Agency: Grifols Worldwide Operations, Ltd.
Project Period: 2014 - 2019
Total Dollars: \$54,281
Direct Cost: \$45,789
Role: Principal Investigator

Title: A Phase 2b, Randomized, Double-Blind, Placebo-Controlled, Safety and Efficacy Trial of Multiple Dosing Regimens of ABT-719 for the Prevention of Acute Kidney Injury in Subjects Undergoing High Risk Cardiac Surgery

ID Number:
Funding Agency: AbbVie, Inc.
Project Period: 2013 - 2017
Total Dollars: \$137,291
Direct Cost: \$8,729
Role: Principal Investigator

NON-SPONSORED / OUTSIDE GRANTS INFORMATION

Title: 'Non-invasive identification of cardiac parameters in heart failure with preserved ejection fraction'
Funding Agency:
Project Period: 2021 - 0
Total Dollars: \$0
Direct Cost: \$0
Role: Co-Investigator ()

Title: Bicolor Study
Funding Agency: St Jude Medical
Institution: Arizona University Medical Center
Project Period: 2011 - 2011
Total Dollars: \$3,000
Direct Cost: \$3,000
Role: Principal Investigator

Title: Magna Ease Study
Funding Agency: Edwards Medical
Institution: Arizona University Medical Center
Project Period: 2011 - 2011
Total Dollars: \$3,000
Direct Cost: \$3,000
Role: Principal Investigator

Title: Contractile and passive muscle properties in heart failure
Funding Agency: Marjorie Hornbeck Award, Sarver Heart Center
Institution: University of Arizona College of Medicine
Project Period: 2010 - 2012
Total Dollars: \$15,000
Direct Cost: \$0
Role: Principal Investigator

Title: Contractile and passive muscle properties in heart failure
Funding Agency: Marjorie Hornbeck Award, Sarver Heart Center
Institution: University of Arizona College of Medicine
Project Period: 2010 - 2012
Total Dollars: \$15,000
Direct Cost: \$15,000
Role: Principal Investigator

Title: Contractile and Passive Muscle Properties in Heart Failure
Funding Agency: Marjorie Hornbeck Award, Saver Heart Center
Institution: University of Arizona College of Medicine
Project Period: 2010 - 2012
Total Dollars: \$15,000
Direct Cost: \$15,000
Role: Principal Investigator

Title: Contractile and Passive Muscle Properties in Heart Failure
Funding Agency: Marjorie HornbeckAward, Saver Heart Center
Institution: University of Arizona College of Medicine
Project Period: 2010 - 2012
Total Dollars: \$0
Direct Cost: \$0
Role: Principal Investigator

Title: Contractile and Passive Muscle Properties in Heart Failure
Funding Agency: Marjorie HornbeckAward, Saver Heart Center
Institution: University of Arizona College of Medicine
Project Period: 2010 - 2012
Total Dollars: \$1,500,000
Direct Cost: \$1,500,000
Role: Principal Investigator

Title: Mechanical Properties of left ventricular aneurysm
Funding Agency: National Research Service Award, NIH
Institution: Washington University School of Medicine
Project Period: 1992 - 1992
Total Dollars: \$0
Direct Cost: \$0
Role: Principal Investigator

MILITARY SERVICE

2003 - 2007 Consultant to the Surgeon General of the U.S. Air Force Cardiothoracic Surgery, U.S. Air Force
2003 - 2005 Credentialing Committee, Keesler AFB Hospital, Biloxi, MS
1999 - 2007 Active Duty, United States Air Force

HONORS AND AWARDS

1986 Honor's Thesis
1995 Samson Resident Prize, Western Thoracic Surgical Association
2006 Special Recognition Award, Southern Arizona Association of Operating Room Nurses
2007 Air Force Longevity Service Award, Air Force, USA

LOCAL

1982 Valedictorian of High School Class, Valley High School, West Des Moines, IA, USA
1984 Walker Prize in Mathematics of the Second Year, Amherst College
1985 Phi Beta Kappa
1986 Breusch Prize in Mathematics, Amherst College

NATIONAL

Air Force Outstanding Unit Award with 2 devices, USAF, USA

	Air Force Achievement Medal, USAF, USA
	Air Force Training Ribbon, US Air Force, USA
	Meritorious Service Medal, US Military, USA
	Global War on Terrorism Service Medal, US Military, USA
	National Defense Service Medal, US Military, USA
	Humanitarian Service Medal, US Military, USA
1982	Air Force ROTC Scholarship, ROTC, USA
1986	Commissioned Second Lieutenant, United States Airforce, USA
1986	Airforce HPSP Scholarship, USA
1992-1994	NRSA award HL08742, National Institutes of Health
2007	Honorable Discharge, Lt. Col, United States Air Force

MEMBERSHIPS AND OFFICES IN PROFESSIONAL SOCIETIES

1990 - Present	Member, American Medical Association
2002 - Present	Fellow, American College of Surgeons
2003 - Present	Member, Southern Thoracic Surgical Association
2004 - Present	Member, Society of Thoracic Surgeons
2006 - Present	Member, International Society for Heart and Lung Transplantation
2011 - Present	Member, Western Thoracic Surgical Association
2022 - 2028	Director, American Board of Thoracic Surgery

COMMITTEE ASSIGNMENTS

LOCAL/REGIONAL

2009 - Present	Executive Committee, Donor Network of Arizona
2011 - 2012	Member, Medical Executive Committee, University Medical Center, University of Arizona, Tucson, AZ
2011 - 2012	Member, Quality and Safety Committee, University Medical Center, University of Arizona, Tucson, AZ
2011 - 2012	Chair, Quality Review Committee, University of Arizona, Tucson, AZ
2018 - Present	Member, Perioperative Executive Committee, University of Nebraska

NATIONAL/INTERNATIONAL

2010 - 2012	Graduate Medical Education Committee, University of Arizona, Tucson, AZ
2011 - 2015	Member, National Medicare Advisory Panel on Transplantation, CMS, Washington, D.C.
2020 - 2020	Member, Cardiac Consultants Committee for Written Examination, American Board of Thoracic Surgery

MISCELLANEOUS

2019 - Present	Guest Examiner, American Board of Thoracic Surgery
----------------	--

PRESENTATIONS

1. Siddique A; Knoper SR; Raz Y; Coehlo-Anderson R; Wild J; Mineburg N; Daniel J; Moulton MJ. Recurrence of Bronchiolitis Obliterans may Limit Long-Term Outcomes in Lung Retransplantation. International Society for Heart and Lung Transplantation Annual Meeting; 2011 Apr 13-16. San Diego, CA

2. Moulton MJ. Mitral valve Repair. Cardiothoracic Surgery conference; 2012 Aug 14. UNMC, Omaha, NE
3. Moulton MJ. Lung Transplantation-A Historic Overview from First Successful Transplant to Today and Beyond. UNMC, Department of Surgery Grand Rounds; 2012 Aug 15. UNMC, Omaha, NE
4. Moulton MJ. Mitral Valve Repair, "The Latest and Greatest". Cardiothoracic Surgery Conference; 2012 Aug 14. University of Nebraska Medical Center
5. Moulton MJ. Cardiothoracic Trauma. Cardiothoracic Surgery Conference; 2012 Oct 23. University of Nebraska Medical Center
6. Moulton MJ. Management of Type A Aortic Dissection. Cardiothoracic Surgery Conference; 2013 Feb 19. University of Nebraska Medical Center
7. Saxena S; Um J; Dumitru I; Bookman B; Pilmayer S; Ryan T; Yanonne S; Moulton MJ; Lowes B; Raichlin E. Improvement in severe kidney dysfunction after implantation of continuous flow left ventricular assist devices. American College of Cardiology; 2013 March. San Francisco, CA
8. Saxena S; Um J; Dumitru I; Pilmayer S; Ryan T; Yannone S; Moulton MJ; Lowes B; Raichlin E. Late Right Heart Failure after LVAD Implantation: Clinical Predictors and Outcomes. American College of Cardiology; 2013 March. San Francisco, CA
9. Moulton MJ. Pulmonary Thrombo-endarterectomy. Cardiothoracic Surgery Conference; 2013 Jun 25. University of Nebraska Medical Center
10. Moulton MJ. Management of Thoracoabdominal Aortic Aneurysm. Cardiothoracic Surgery Grand Rounds; 2013 Aug 7. University of Nebraska Medical Center
11. Moulton MJ. Pulmonary Thromboendarterectomy for Chronic Thromboembolic Pulmonary Hypertension. General Surgery Grand Rounds; 2013 Sep 18. University of Nebraska Medical Center
12. Moulton MJ. Total Artificial Heart. International Transplant Nurses Society (ITNS); 2013 Sep 17. Omaha, NE
13. Moulton MJ. Management of Complex Valve Disease. Physicians Lunch Conference; 2014 Jan 31. Good Samaritan Hospital, Kearney, NE
14. Moulton MJ; Anderson D. Transverse Lead Extraction and Management of Complications of Extractions. Cardiology Grand Rounds; 2014 Jan 29. University of Nebraska Medical Center
15. Moulton MJ. Management of Complex Aortic and Mitral valve Disease in 204 and Beyond. Cardiothoracic Surgery Grand Rounds; 2014 Jan 15. University of Nebraska Medical Center
16. Moulton MJ. Current Controversies and State-of-the-art Techniques in Valve Surgery. Physicians Noon Conference; 2014 Jan 31. Good Samaritan Hospital, Kearney, NE
17. Moulton MJ. TBA. Optum Conference; 2014 Jul 8. University of Nebraska Medical Center
18. Ryan, Timothy; Siddique A; Burdorf, Adam; Merritt HM; Um; Moulton MJ. Cost Comparison of Extracorporeal Life Support on Survivors and Non. ISHLT; 2016 April. Washington, DC
19. Varnado, Sarah; Siddique A; Burdoff, Adam; Merritt HM; Um J; Moulton MJ. Myocarditis Treated with VA-ECMO: A Single Centers Experience. ISHLT; 2016 April. Washington, DC
20. Siddique A; Um J; Merritt HM; Burdoff, Adam; Moulton MJ. Totally Percutaneous RVAD/ECMO Configuration Provides Versatile Support for RV Failure. ISHLT; 2016 April. Washington, DC
21. Varnado, S; Um JY; Vongooru, H; Zolty, Ronald; Lowes BD; Burdorf, Adam; Fenske, B; Huntsberry, A; Siddique, A; Moulton MJ; Raichlin E. Heart Rate and Cardiac Allograft Vasculopathy in Heart Transplant Recipients. 36th Annual International Heart and Lung Transplantation Scientific Sessions; 2016 April 27-30. Washington, DC
22. Varnado S; Burdorf AF; Higgins JV; Lowes BD; Zolty R; Vongooru H; Fenske BM; Siddique A; Moulton MJ; Um JY; Raichlin E. Cardiac allograft sinus tachycardia is associated with impaired exercise tolerance. American College of Cardiology's 65th Annual Scientific Sessions; 2016 April. Chicago, IL
23. Zolty, R; Raichlin E; Burdorf, Adam; Vongooru HR; Ryan TR; Yannone SM; Ferguson K; Siddique A; Moulton MJ; Um JY; Lowes BD. Laparoscopic Sleeve Gastrectomy in Morbidly Obese Patients with End-Stage Heart Failure and LVAD. American Heart Association Scientific Sessions 2016; 2016 November 12-16. New Orleans, LA
24. Berkheim D; Nicholas IV TA; Moulton MJ; Strah, H.; Siddique A. Pain Pathway in Lung Transplantation is Associated with Excellent Peri-Operative Outcomes: A Case Series. International Society for Heart & Lung Transplantation; 2017 April 05. San Diego

25. Raichlin E; Selim AM; Zolty R; Burdorf AF; Siddique A; Moulton MJ; Um JY; Lowes BD. Cardiopulmonary Stress Test One Year after HTx Predicts the Development of CAV. 37th Annual International Heart and Lung Transplantation Scientific Sessions; 2017 April 5-8. San Diego, CA
26. Selim AM; Zolty R; Burdorf AF; Um JY; Siddique A; Moulton MJ; Lowes BD; Raichlin E. The Transmitral Peak Flow Velocity-Mitral Annular Diastolic Velocity Ratio (e/e') Does Not Predict Left Ventricular Filling Pressure Post Cardiac Transplant. 37th Annual International Heart and Lung Transplantation Scientific Sessions; 2017 April 5-8. San Diego, CA
27. Selim AM; Zolty R; Burdorf AF; Siddique A; Um JY; Moulton MJ; Lowes BD; Raichlin E. Higher Heart Rate is Associated with Lower Incidence of Coronary Allograft Vasculopathy Requiring Angioplasty. 37th Annual International Heart and Lung Transplantation Scientific Sessions; 2017 April 5-8. San Diego, CA
28. Lundgren SW; Raichlin E; Selim AM; lowes bd; Zolty R; Moulton MJ; um jy; Poon C. Depression in patients undergoing left ventricular assist device implantation. 37th Annual International Heart and Lung Transplantation Scientific Sessions; 2017 April 5-8. San Diego, CA
29. Merritt; Moulton MJ; Um; Markin N; Siddique A. Tension Pneumopericardium in an LVAD, Rare but Real. ISHLT; 2017 April. San Diego
30. Merritt HM; Siddique A; Um J; Moulton MJ. The Effect of Recombinant-Activated Factor VII on Patients Requiring ECMO Support. ISHLT; 2017 April. San Diego
31. Selim AM; Raichlin E; Burdorf AF; um jy; Siddique A; Moulton MJ; Lowes BD; Zolty R. Left Ventricular Assist Devices Can Reverse Pulmonary Hypertension Group 2 with Significantly Elevated Pulmonary Vascular Resistance. American Thoracic Society (ATS) 17th International Conference; 2017 May 19-24. Washington DC
32. Jacob Moore; Kwapnoski ZJ; Moulton MJ; Siddique A; Um JY; Merritt-Genore HL. ECMO as a Bridge TO or FROM Cardiac Transplantation. ELSO Annual Meeting; 2017 September. Baltimore, MD
33. Kwapnoski ZJ; Moore, Jacob; Moulton MJ; Um JY; Siddique A; Merritt-Genore HL. The effect of hemoglobin on ECMO outcomes. CREF; 2017 September. San Diego, CA
34. Merritt-Genore HL; Shoia I; Smith SP; Siddique A; Um JY; Moulton MJ. Delayed Anticoagulation Initiation for ECMO Patients at High Risk of Exsanguination. Southern Thoracic Surgical Association; 2017 November. San Antonio, Texas
35. Kwapnoski ZJ; Siddique A; Um JY; Moulton MJ; Merritt-Genore HL. Nurse-Driven Protocol is Safe and Cost-Effective for ECMO Patients. Society of Thoracic Surgeons; 2018. Ft Lauderdale, FL
36. Luksan AS; Berkheim D; Siddique A; Um JY; Moulton MJ; Merritt-Genore HL. Time is on Your Side: A Comparison of OR Times with ECMO Survival in Post Cardiectomy Patients. ISHLT; 2018. Nice France
37. A Siddique; Moulton MJ; MERRITTT-GENORE HL; HM Strah. Aortic Stenosis and the Sensitized Lung Recipient- What would you do?. 38th Annual International Heart and Lung Transplantation Scientific Sessions; 2018 April. Nice, France
38. Urban M; Siddique A; Merritt HM; Um JY; Moulton MJ. Outcome Analysis of Percutaneous VA ECMO as a Bridge to Durable LVAD. ELSO Annual Meeting; 2018 Sept
39. Moulton MJ; Kwapnoski ZJ; Berkheim D; Merritt-Genore HL. Obesity's Effect on ECMO Outcomes. Society of Thoracic Surgeons; 2019 Jan 2019. San Diego, CA
40. Karnatak RK; Cawcutt KA; Kalil AC; ryan t; Moulton MJ; Siddique A; um jy; sandovsky y. Does Left Ventricular Assist Device Increase the Risk for Infections Over Time? A Phenotypic Evaluation. 2019 ATS International Conference; 2019
41. Urban M; Merritt-Genore HL; Siddique A; Moulton MJ; ryan t; Um JY. . Impact of Venous-Arterial Membrane Oxygenation on Outcome of "Crash and Burn" Patients Transitioned to Durable Left Ventricular Assist Device. 39th Annual International Heart and Lung Transplantation Scientific Sessions; 2019 April. Orlando, FL
42. Macdonald CJ; Urban M; Moulton MJ; McCain NT; Stoller DA; Zolty R; um jy; Siddique A. Recurrent Pump Thrombosis is Common after Axial Continuous Flow LVAD Exchange. 39th Annual International Heart and Lung Transplantation Scientific Sessions; 2019 April. Orlando, FL
43. Moulton MJ; Merritt H; Schwabe, Mich. Postcardiotomy ECMO - No Longer a Bridge to No Where?. Society of Thoracic Surgeons; 2020. NOLA

44. Boudreaux JC; Urban M; Castleberry A; um jy; Moulton MJ; Siddique A. Impact of Individual Surgeon Volume on Outcomes Following LVAD Implantation. . International Society for Heart and Lung Transplantation (ISHLT) 41st annual meeting and scientific sessions; 2021
45. Greni SE; Siddique A; Castleberry A; Lowes BD; um jy; Moulton MJ; Lundgren SW; Stoller DA; Urban M. Risk Factors Associated with Post Heart Transplantation Left Ventricular versus Right Ventricular Primary Graft Dysfunction. ISHLT 41st Annual Meeting and Scientific Sessions; 2021
46. Muellner MJ; Siddique A; Castleberry A; um jy; Lowes BD; Stoller DA; Moulton MJ; Urban M. Donor Transient Myocardial Dysfunction â Structural versus Hypoxic Brain Injury. ISHLT 41st Annual Meeting and Scientific Sessions; 2021
47. Boudreaux JC; Urban M; um jy; thompson sl; Moulton MJ; Siddique A. Impact Of Tracheostomy In Patients Receiving VV ECMO. 2021 ASAIO Annual Conference; 2021
48. Moulton MJ; Dervil T; Secomb TW. Identification of circulatory system properties from parameters in heart failure with a preserved ejection fraction (HFpEF) patients using a mathematical model and parameter estimation. HPIEE; 2021
49. Moulton MJ. Overcoming Challenging Dynamics in the OR. SCA Annual Meeting and Thoracic Anesthesia Symposium; 2021 April 25, 2021. Virtual
50. Moulton MJ. Can't We All Just Get Along?. SCA Annual Meeting and Thoracic Anesthesia Symposium; 2021 April 25, 2021. Virtual
51. Moulton MJ. Hypertrophic Cardiomyopathy (HCM): Diagnosis and Treatment of a Complex Disease. SCA Annual Meeting and Thoracic Anesthesia Symposium; 2021 April 27, 2021. Virtual
52. Moulton MJ. Management Options for LVOT Obstruction and Surgical Myectomy. SCA Annual Meeting and Thoracic Anesthesia Symposium; 2021 April 27, 2021. Virtual

PUBLICATIONS

A. ARTICLES PUBLISHED IN SCHOLARLY JOURNALS

1. Moulton MJ; Creswell LL; Wyers SG; Actis RL; Szabo BA; Vannier MW; Pasque MK. An inverse material identification algorithm for determining in vivo myocardial material properties. Proc. Int. Conf. IEEE. EMBS. 1993; Vol. 15: p. 901-902
2. Wyers SG; Creswell LL; Moulton MJ; Perman WH; Vannier MW; Szabo BA; Pasque MK. Biventricular remodeling after single lung transplantation for pulmonary hypertension. Surgical Forum. 1993; Vol. 44: p. 315-318
3. Moulton MJ; Lawrence L. Creswell; Stephan G. Wyers; Riarcdo L. Actis; Barna A. Szabo; Michael W. Vannier; Michael K. Pasque. Inverse material identification algorithm for determining in vivo myocardial material properties. Proceedings of the Annual Conference on Engineering in Medicine and Biology. 15 : 901-902. 1993
4. Moulton MJ; Creswell LL; Downing SW; Actis RL; Szabo BA; Vannier MW; Pasque MK. Calculation of regional ventricular wall strains using magnetic resonance imaging tissue-tagging. Proc.Int.Conf.IEEE.EMBS. 1994; Vol. 16: p. 549-550
5. Creswell LL; Moulton MJ; Wyers SG; Pirolo JS; Fishman DS; Pearman WH; Myers KW; Actis RL; Szabo BA; Vannier MW; Pasque MK. An experimental system for evaluating constitutive models of myocardium in vivo hearts. Am. J. Physiol. (Heart Circ. Physiol. 36). 1994; Vol. 267: p. H853-H863
6. Moulton MJ; Lawrence L. Creswell; Stephen W. Downing; Ricardo L. Actis; Barna A. Szabo; Michael W. Vannier; Michael K. Pasque. Calculation of regional ventricular wall strains using magnetic resonance imaging tissue-tagging. Annual International Conference of the IEEE Engineering in Medicine and Biology - Proceedings. 16 : 549-550. 1994
7. Creswell LL, Moulton MJ, Wyers SG, Pirolo JS, Fishman DS, Perman WH, Myers KW, Actis RL, Vannier MW, SzabÃ³ BA. An experimental method for evaluating constitutive models of myocardium in in vivo hearts. American Journal of Physiology - Heart and Circulatory Physiology. 267 : H853-H863. 1994
8. Miller SB, Moulton MJ, O'Shea M, Hammerman MR. Effects of IGF-I on renal function in end-stage chronic renal failure. Kidney International. 46 : 201-207. 1994

9. Moulton MJ, Creswell LL, Downing SW, Actis RL, Myers KW, Szab³ BA, Vannier MW, Pasque MK. Ventricular interaction in the pathologic heart: A model based study. *ASAIO Journal*. 40 : M773-M783. 1994
10. Moulton MJ; Creswell LL; HU N; Actis RL; Myers KW; Szabo BA; Pasque MK. Applications of 3-D finite element modeling to the study of ventricular physiology. *Proc. Of the SPIE-Medical Imaging*. 1995; Vol. 2433: p. 318:328
11. Downing SW; Moulton MJ; Creswell LL; Szabo BA; Vannier MW; Pasque MK. Advanced mathematical models of the heart for clinical applications. *Surgical Forum*. 1995; Vol. 46: p. 283-286
12. Moulton MJ, Downing SW, Creswell LL, Fishman DS, Amsterdam DM, Szab³ BA, Cox JL, Pasque MK. Mechanical dysfunction in the border zone of an ovine model of left ventricular aneurysm. *The Annals of Thoracic Surgery*. 60 : 986-998. 1995
13. Creswell LL, Moulton MJ, Cox JL, Rosenbloom M. Revascularization after acute myocardial infarction. *The Annals of Thoracic Surgery*. 60 : 19-26. 1995
14. Perman WH, Creswell LL, Wyers SG, Moulton MJ, Pasque MK. Hybrid DANTE and phase-contrast imaging technique for measurement of three-dimensional myocardial wall motion. *Journal of magnetic resonance imaging : JMRI*. 5 : 101-106. 1995
15. Moulton MJ; Julius M. Guccione; Ruth J. Okamoto; Michael K. Pasque. Validation of an inverse parameter estimation algorithm for determining material properties of passive myocardium. *American Society of Mechanical Engineers, Bioengineering Division (Publication) BED*. 31 : 33-34. 1995
16. Ruth J. Okamoto; Julius M. Guccione; Moulton MJ; Michael K. Pasque. Measurement of left ventricular deformation during epicardial suction. *American Society of Mechanical Engineers, Bioengineering Division (Publication) BED*. 31 : 255-256. 1995
17. Moulton MJ, Creswell LL, Actis RL, Myers KW, Vannier MW, Szab³ BA, Pasque MK. An inverse approach to determining myocardial material properties. *Journal of Biomechanics*. 28 : 935-939,941-948. 1995
18. Moulton MJ, Creswell LL, Downing SW, Actis RL, Szab³ BA, Pasque MK. Myocardial material property determination in the in vivo heart using magnetic resonance imaging. *International Journal of Cardiac Imaging*. 12 : 153-167. 1996
19. Moulton MJ, Creswell LL, Mackey ME, Cox JL, Rosenbloom M. Reexploration for bleeding is a risk factor for adverse outcomes after cardiac operations. *Journal of Thoracic and Cardiovascular Surgery*. 111 : 1037-1046. 1996
20. Moulton MJ, Creswell LL, Downing SW, Actis RL, Szabo BA, Vannier MW, Pasque MK. Spline surface interpolation for calculating 3-D ventricular strains from MRI tissue tagging. *American Journal of Physiology - Heart and Circulatory Physiology*. 270 : H281-H297. 1996
21. Ruth J. Okamoto; Julius M. Guccione; Moulton MJ; Michael K. Pasque. Optimization of material properties of passive myocardium using epicardial suction. *American Society of Mechanical Engineers, Bioengineering Division (Publication) BED*. 33 : 413-414. 1996
22. Moulton MJ, Creswell LL, Ungacta FF, Downing SW, Szab³ BA, Pasque MK. Magnetic resonance imaging provides evidence for remodeling of the right ventricle after single-lung transplantation for pulmonary hypertension. *Circulation*. 94 : II312-II319. 1996
23. Moulton MJ, Creswell LL, Mackey ME, Cox JL, Rosenbloom M. Obesity is not a risk factor for significant adverse outcomes after cardiac surgery. *Circulation*. 94 : II87-II92. 1996
24. Ungacta FF; Moustakidis P; Cupps BP; Moulton MJ; Szabo BA; Pasque MK. Quantitative dobutamine left ventricular strain analysis: Magnetic resonance imaging with myocardial tissue tagging. *Surgical Forum*. 1997; Vol. 48: p. 291-293
25. Franklin SC, Moulton MJ, Sicard GA, Hammerman MR, Miller SB. Insulin-like growth factor I preserves renal function postoperatively. *American Journal of Physiology - Renal Physiology*. 272 : F257-F259. 1997
26. Moustakidis P; Cupps BP; Moulton MJ; Kates AM; Gropler RJ; Pasque MK; Sundt TM III. MRI radiofrequency tissue tagging in patients with ischemic cardiomyopathy: Quantitative dobutamine left ventricular myocardial stress, strain, and work analysis. *Surgical Forum*. 1998; Vol. 49: p. 243-245
27. Ungacta FF, D³vila-Rom³n VG, Moulton MJ, Cupps BP, Moustakidis P, Fishman DS, Actis R, Szabo BA, Li D, Kouchoukos NT, Pasque MK. MRI-radiofrequency tissue tagging in patients with aortic insufficiency before and after operation. *Annals of Thoracic Surgery*. 65 : 943-950. 1998

28. Hogue CW, Stamos T, Winters KJ, Moulton MJ, Krucylak PE, Cooper JD. Acute myocardial infarction during lung volume reduction surgery. *Anesthesia and Analgesia*. 88 : 332-334. 1999
29. Okamoto RJ, Moulton MJ, Peterson SJ, Li D, Pasque MK, Guccione JM. Epicardial suction: A new approach to mechanical testing of the passive ventricular wall. *Journal of Biomechanical Engineering*. 122 : 479-487. 2000
30. Guccione JM, Moonly SM, Moustakidis P, Costa KD, Moulton MJ, Ratcliffe MB, Pasque MK. Mechanism underlying mechanical dysfunction in the border zone of left ventricular aneurysm: A finite element model study. *Annals of Thoracic Surgery*. 71 : 654-662. 2001
31. Miller Q, Moulton MJ, Pratt J. Surgical treatment of thymoma. *Current Surgery*. 59 : 101-105. 2002
32. Moulton MJ. Invited commentary. *Annals of Thoracic Surgery*. 74 : 1587-1588. 2002
33. DuBose J, Sutherland M, Moulton MJ, Krishnan B, Cohn J, Pratt JW. Heparin-induced thrombocytopenia and thrombosis syndrome after cardiac surgery. *Current Surgery*. 61 : 209-212. 2004
34. Miller Q, Bird E, Bird K, Meschter C, Moulton MJ. Effect of subatmospheric pressure on the acute healing wound. *Current Surgery*. 61 : 205-208. 2004
35. Downey DM, Pratt JW, Colligan M, Moulton MJ. Right ventricular perforation diagnosed with computed tomography after permanent pacemaker placement. *Current Surgery*. 62 : 516-517. 2005
36. Miller Q, Meschter C, Neumaster T, Pratt J, Moulton MJ, Downey D, Harre J. Comparison of Pleurodesis by Erythromycin, Talc, Doxycycline, and Diazepam in a Rabbit Model. *Journal of Surgical Education*. 64 : 41-45. 2007
37. Gandy KL, Moulton MJ. Sternal Plating to Prevent Malunion of Transverse Sternotomy in Lung Transplantation. *Annals of Thoracic Surgery*. 86 : 1384-1385. 2008
38. Gustafson MR, Moulton MJ. Fibrosing mediastinitis with severe bilateral pulmonary artery narrowing: Rv-rpa bypass with a homograft conduit. *Texas Heart Institute Journal*. 39 : 412-415. 2012
39. Hansen AJ, Sorrell VL, Cooper AD, Moulton MJ. Postpartum rupture of the posteromedial papillary muscle. *Journal of Cardiac Surgery*. 27 : 313-316. 2012
40. Moulton MJ, Secomb TW. A low-order model for left ventricle dynamics throughout the cardiac cycle. *Mathematical Medicine and Biology*. 30 : 45-63. 2013
41. Raichlin E; Um J; Dumitru I; Lowes B; Moulton MJ; Gebhart C; Grant W; Hammel JM. Combined Heart and Liver Transplantation Against Positive Cross-Match for Patient With Hypoplastic Left Heart Syndrome. *Transplantation*. 2014; Vol. 98 (12) Published
42. Mohammed A. Chamsi-Pasha; Samer H. Sayyed; Moulton MJ. Real-time 3-dimensional transesophageal echocardiography in the assessment of ventriculoatrial shunt (gerbode defect) complicating simultaneous mitral and tricuspid valve repair. *Journal of the American College of Cardiology*. 63 : e37. 2014
43. Moulton MJ; Timothy W. Secomb. A Low-Order Parametric Description of Left Ventricular Kinematics. *Cardiovascular Engineering and Technology*. 5 : 348-358. 2014
44. Eugenia Raichlin; John Y. Um; Kim F. Duncan; Ioana Dumitru; Brian D. Lowes; Moulton MJ; Catherine L. Gebhart; Wendy J. Grant; James M. Hammel. Combined heart and liver transplantation against positive cross-match for patient with hypoplastic left heart syndrome. *Transplantation*. 98 : e100-e102. 2014
45. Mohammed A. Chamsi-Pasha; Samer H. Sayyed; Moulton MJ. Real-time 3-dimensional transesophageal echocardiography in the assessment of ventriculoatrial shunt (gerbode defect) complicating simultaneous mitral and tricuspid valve repair. *Journal of the American College of Cardiology*. 63 : 1p. 2014
46. MacTaggart JN, Phillips NY, Lomneth CS, Pipinos II, Bowen R, Baxter BT, Johanning J, Longo GM, Desyatova AS, Moulton MJ, Dzenis YA, Kamenskiy AV. Three-dimensional bending, torsion and axial compression of the femoropopliteal artery during limb flexion. *J Biomech*. 47 : 2249-56. 2014
47. Justine M. Caniglia-Miller; Walter D. Bussey; Natalie M. Kamtz; Shane F. Tsai; Christopher C. Erickson; Daniel R. Anderson; Moulton MJ. Surgical management of major intrathoracic hemorrhage resulting from high-risk transvenous pacemaker/defibrillator lead extraction. *Journal of Cardiac Surgery*. 30 : 149-153. 2015

48. Lowes BD; Rome E; Dhar, K; Kittrell, J; Eudy JD; Um JY; Moulton, A; Zao, J; Redder, R; Moulton MJ; Anderson DR. Damaging Cardiac and Cancer Genetic Variants in the LVAD Population. *The VAD Journal*. 2015 Nov
49. Shane P. Smith; Timothy W. Secomb; Brian D. Hong; Moulton MJ. Time-dependent regional myocardial strains in patients with heart failure with a preserved ejection fraction. *BioMed Research International*. 2016 : 2016
50. Eugenia Raichlin; Bipul Baibhav; Brian D D Lowes; Ronald Zolty; Elizabeth R R Lyden; Hareeprasad R R Vongooru; Aleem Siddique; Moulton MJ; John Y Y Um. Outcomes in Patients with Severe Pre-existing Renal Dysfunction after Continuous Flow Left Ventricular Assist Device Implantation. *ASAIO Journal*. 2016
51. Raichlin E; Baibhav B; Lowes BD; Zolty R; Lyden ER; Vongooru HR; Siddique A; Moulton MJ; Um JY. Outcomes in Patients with Severe Preexisting Renal Dysfunction after Continuous-Flow Left Ventricular Assist Device Implementation. *ASAIO journal (American Society for Artificial Internal Organs : 1992)*. 2016 May; p. 261-267. 1058-2916
52. Dhar K, Moulton AM, Rome E, Qiu F, Kittrell J, Raichlin E, Zolty R, Um JY, Moulton MJ, Basma H, Anderson DR, Eudy JD, Lowes BD. Targeted myocardial gene expression in failing hearts by RNA sequencing. *Journal of Translational Medicine*. 14 : 2016
53. Arne G. Schwindt; J. Gray Bennett; William H. Crowder; Suhail Dohad; Sean F. Janzer; Jon C. George; Barry Tedder; Thomas P. Davis; Ian M. Cawich; Roger S. Gammon; Patrick E. Muck; John P. Pigott; Dwight A. Dishmon; Lou A. Lopez; Jaafer A. Golzar; Jack R. Chamberlin; Moulton MJ; Ramzan M. Zakir; Amir K. Kaki; Gary J. Fishbein; Huey B. McDaniel; Ayala Hezi-Yamit; John B. Simpson; Arjun Desai. Lower Extremity Revascularization Using Optical Coherence Tomography-Guided Directional Atherectomy. *Journal of Endovascular Therapy*. 24 : 355-366. 2017
54. Sara Varnado; Yael Peled-Potashnik; Ashley Huntsberry; Brian D. Lowes; Ronald Zolty; Adam Burdorf; Elizabeth R. Lyden; Moulton MJ; John Y. Um; Eugenia Raichlin. Effect of diltiazem on exercise capacity after heart transplantation. *Clinical Transplantation*. 31 : 2017
55. Merritt; Siddique A; Moulton MJ; Markin NW. Rare but Real: Tension Pneumopericardium in a Patient with a Left Ventricular Assist Device. *Cardiovascular Imaging Case Reports*. 2017 Dec; Elsevier. Vol. 1 (6): p. 230-232. 2468-6441
56. Moulton MJ; Brian D. Hong; Timothy W. Secomb. Simulation of Left Ventricular Dynamics Using a Low-Order Mathematical Model. *Cardiovascular Engineering and Technology*. 8 : 480-494. 2017
57. Rosenberg, J; Werner,.; Plitt, G; Moulton MJ; Merritt H; Agrawal, DK. Immunopathogenesis and Biomarkers of Recurrent Atrial Fibrillation Following Ablation Therapy in Patients with Preexisting Atrial Fibrillation. *Review of Cardiovascular Therapies*. 2018
58. Bipul Baibhav; Maheedhar Gedela; Moulton MJ; Gregory Pavlides; Vincent Pompili; Tanveer Rab; George Dangas; Deepak L. Bhatt; Aleem Siddique; Ioannis S Chatzizisis. Role of invasive functional assessment in surgical revascularization of coronary artery disease. *Circulation*. 137 : 1731-1739. 2018
59. Abdel Rahman Al Emam; Moulton MJ; Marshall Hyden; Ioannis S Chatzizisis. A Giant Aortic Root Abscess. *Methodist DeBaakey cardiovascular journal*. 14 : 2018
60. John H. Rosenberg; John H. Werner; Moulton MJ; Devendra K. Agrawal. Current Modalities and Mechanisms Underlying Cardioprotection by Ischemic Conditioning. *Journal of Cardiovascular Translational Research*. 1-16. 2018
61. Plitt GD, Spring JT, Moulton MJ, Agrawal DK. Mechanisms, diagnosis, and treatment of heart failure with preserved ejection fraction and diastolic dysfunction. *Expert Rev Cardiovasc Ther*. 16 : 579-589. 2018
62. Scott Lundgren; Cecilia Y.M. Poon; Ahmed Selim; Brian D. Lowes; Ronald Zolty; Adam Burdorf; Yael Potashnik-Peled; Moulton MJ; John Y. Um; Eugenia Raichlin. Depression and anxiety in patients undergoing left ventricular assist device implantation. *International Journal of Artificial Organs*. 41 : 76-83. 2018
63. Werner JH, Rosenberg JH, Um JY, Moulton MJ, Agrawal DK. Molecular discoveries and treatment strategies by direct reprogramming in cardiac regeneration. *Transl Res*. 203 : 73-87. 2019
64. Brian D. Hong; Moulton MJ; Timothy W. Secomb. Modeling left ventricular dynamics with characteristic deformation modes. *Biomechanics and Modeling in Mechanobiology*. 2019
65. Marian Urban; Aleem Siddique; Moulton MJ; Anthony W. Castleberry; HelenMari L Merritt-Genore; Timothy Ryan; Brian D Lowes; John Y Um. Can we expect improvements in outcomes with centrifugal vs axial flow left ventricular assist devices in patients transitioned from extracorporeal life support?. *Journal of Cardiac Surgery*. 2019

66. Marian Urban; John Um; Moulton MJ; Douglas Stoller; Ronald Zolty; Brian Lowes; Collin Macdonald; Natalia McCain; Aleem Siddique. Recurrent pump thrombosis is common after axial continuous-flow left ventricular assist device exchange. *International Journal of Artificial Organs*. 2019
67. Rosenberg JH, Werner JH, Plitt GD, Noble VV, Spring JT, Stephens BA, Siddique A, Merritt-Genore HL, Moulton MJ, Agrawal DK. Immunopathogenesis and biomarkers of recurrent atrial fibrillation following ablation therapy in patients with preexisting atrial fibrillation. *Expert Rev Cardiovasc Ther*. 17 : 193-207. 2019
68. Mingxi D. Yu; Max J. Liebo; Scott Lundgren; Ahmed M. Salim; Cara Joyce; Ronald Zolty; Moulton MJ; John Y. Um; Brian D Lowes; Eugenia Raichlin. Impaired exercise tolerance early after heart transplantation is associated with development of cardiac allograft vasculopathy. *Transplantation*. 2196-2203. 2020
69. Helen Mari Merritt-Genore; Michael Schwabe; Abel Luksan; Timothy Ryan; Elizabeth Lyden; Moulton MJ. Postcardiotomy extracorporeal membrane oxygenator: No longer a bridge to no where?. *Journal of cardiac surgery*. 35 : 2208-2215. 2020
70. Joel C. Boudreaux BS; Marian Urban MD; David B. Berkheim MD; Moulton MJ; Bronwyn L. Small MD; Heather M. Strah MD; Aleem Siddique MBBS. Combination plate and band fixation for primary closure in bilateral lung transplantation. *Journal of cardiac surgery*. 2021; 0886-0440
71. Boudreaux JC; URBAN, M; Berkheim DB; Moulton MJ; Small BL; Strah HM; Siddique A. Combination plate and band fixation for primary closure in bilateral lung transplantation. *Journal of cardiac surgery*. 2021; Vol. 36 (9) 0886-0440
72. Joel C. Boudreaux; Marian Urban; David B. Berkheim; Moulton MJ; Bronwyn L. Small; Heather M. Strah; Aleem Siddique. Combination plate and band fixation for primary closure in bilateral lung transplantation. *Journal of cardiac surgery*. 2021
73. Joel C. Boudreaux; Marian Urban; Anthony W. Castleberry; John Y Um; Michael J. Moulton; Aleem Siddique. In a large-volume multidisciplinary setting individual surgeon volume does not impact LVAD outcomes. *Journal of cardiac surgery*. 2022
74. Steven Tsui; Michael Rosenbloom; James Abel; Jeffrey Swanson; Axel Haverich; Joseph Zacharias; Gilbert Schorlemmer; Gideon Cohen; Michael Moulton; Rüdiger Lange. Eight-year outcomes of aortic valve replacement with the Carpentier-Edwards PERIMOUNT Magna Ease valve. *Journal of cardiac surgery*. 2022
75. Michael J. Moulton; Timothy W. Secomb. A fast computational model for circulatory dynamics: effects of left ventricle-aorta coupling. *Biomechanics and Modeling in Mechanobiology*. 2023
76. Shyam S. Nandi; Kenichi Katsurada; Michael J. Moulton; Hong Zheng; Kaushik P Patel. Enhanced central sympathetic tone induces heart failure with preserved ejection fraction (HFpEF) in rats. *Frontiers in Physiology*. 14 : 2023
77. Joel C. Boudreaux; Marian Urban; Shaun L. Thompson; Anthony W. Castleberry; Michael J. Moulton; Aleem Siddique. Does Tracheostomy Improve Outcomes in Those Receiving Venovenous Extracorporeal Membrane Oxygenation?. *ASAIO Journal*. 69 : E240-E247. 2023
78. Muhammad Asim Shabbir; Nidhish Tiwari; Adam Burdorf; Michael Moulton; Poonam Velagapudi. Cardiogenic shock and severe secondary mitral regurgitation successfully treated with transcatheter edge-to-edge repair: a case report. *European Heart Journal - Case Reports*. 7 : 2023

B. ARTICLES ACCEPTED FOR PUBLICATION IN SCHOLARLY JOURNALS

1. Gustafson MG; Moulton MJ. Fibrosing Mediastinitis: Right Ventricular-Right Pulmonary Artery Bypass Using a Homograft Conduit for Severe Narrowing of Both Branch Pulmonary Arteries. *Texas Heart Institute Journal*. 2001
2. Lowes BD; Rome ET; Dhar K; Kittrell J; Eudy JD; Um JY; Moulton AM; Zao J; Redder R; Moulton MJ; Anderson DR; Raichlin E. Damaging Cardiac and Cancer Genetic Variants in the LVAD Population. *The VAD Journal*. 2015; Vol. 1: p. 1-11
3. Merritt-Genore HL; Moulton MJ; Um JY; Markin NW. Rare but Real, Tension Pneumopericardium in an LVAD Patient. *Cases journal*. 2017

C. ARTICLES SUBMITTED FOR PUBLICATION IN SCHOLARLY JOURNALS

1. Raichlin E; Baibhav B; Lowes BD; Zolty R; Lyden E; Vongooru H; Siddique A; Moulton MJ; Um J. Outcomes in Patients with Severe Pre-existing Renal Dysfunction after Continuous Flow Left Ventricular Assist Device Implantation. *Journal of cardiac failure*. 2015; 1071-9164
2. Siddique A; Merritt-Genore HL; Um JY; O'Leary EL; Moulton MJ. Technique for Percutaneous RVAD placement. *Annals of Thoracic Surgery*. 2017 Sep; 1341-1098

D. BOOKS PUBLISHED, IN PREPARATION, SUBMITTED OR IN PRESS

1. Moulton MJ. *Journal of the American College of Surgeons*. American College of Surgeons; 2011. Surgical Forum

E. CHAPTERS IN BOOKS

1. Moulton MJ; Olson JA Jr.; Whelan AJ; Allen BT. *The Washington Manual of Surgery*. New York: Little Brown; 1996. Perioperative medical evaluation and management
2. Moulton MJ; Sundaresan SR. *Laparoscopic Surgery: Principles and Procedures*. St. Louis: Quality Medical Publishing; 1996. Video-assisted thoracoscopic surgery
3. Moulton MJ. *Ann. Thorac. Surg.* 74. The Society of Thoracic Surgery; 2002. Biomechanical modeling of hemodynamic factors determining bulging of ventricular aneurysms; 1587-8
4. Merritt H; Cawcutt KA; Moulton MJ. *Cardiac Microbiology*. STS Adult and Congenital Cardiac Surgery eBook. Edition 1. Society of Thoracic Surgeons. na; 2018

F. BOOKS OR JOURNALS EDITED

Not Applicable

G. ABSTRACTS AND PRELIMINARY COMMUNICATIONS

1. Moulton MJ; Robinson L; Windle JR; Easley A; Arteaga W. Implantable Defibrillators and Antitachycardia Pacers Either or Both Indications and Techniques. *Proceedings of t.* 1990 Apr , p. 26
2. Moulton MJ; Downing SW; Creswell LL; Fishman DS; Amsterdam DM; Szabo BA; Cox JL; Pasque MK. Mechanical dysfunction in the border zone of left ventricular aneurysm. *Proceedings of the Society of Thoracic Surgeons Meeting*; 1995 Jan , p. 74
3. Ungacta FF; Davila-Roman VG; Moulton MJ; Cupps B; Fishman DS; Kouchoukos NT; Pasque MK. MRI-radiofrequency tissue tagging in patients with aortic insufficiency before and after aortic valve replacement. *Proceedings of the Society of Thoracic Surgeons Meeting*; 1997
4. Ungacta FF; Moustakidis P; Cupp BP; Moulton MJ; Szabo BA; Pasque MK. Quantitative dobutamine left ventricular strain analysis: Magnetic resonance imaging with myocardial tissue tagging. *Surgical Forum*; 1997
5. Miller Q; Meschter C; Neumaster T; Moulton MJ; Pratt J; Kline AL; Harre J. Comparisons of pleurodesis induced by erythromycin, talc, and doxycycline in a rabbit model. *Chest*. 2002, Vol. 15S: 122(4)
6. Bansal S; Tsau PH; Knoper SR; Moulton MJ. Selecting the patient too debilitate for good long-term functional outcome after lung transplantation. *J Heart Lung Tra.* 2009, Vol. 28(2S): S281
7. Panczyk E; Kalra N; Gustafson MR; Moulton MJ; Attaran R; Sorrell VL. Effusive constrictive pericarditis. *ACP, Arizona Chapter Scientific Meeting*; Tucson, AZ. 2009 Sep
8. Siddique A; Raz Y; Knoper SR; Wild J; Coehlo-Anderson R; Moulton MJ. The incidence of Bronchiolitis Obliterans is Increased in Redo lung transplantation. *J Heart Lung Tra.* 2011, Vol. 30(2S): S621

9. Caballero JA; Rome E; Dhar K; Kittrell J; Eudy JD; Moulton MJ; Um J; Redder R; Raichlin E; Dumitru I; Lowes BD. Oncogene Variations are common in endstage dilated cardiomyopathies. Heart Failure Society of America; Orlando, FL. 2013
10. Saxena S; Um J; Dumitru I; Pilmaier S; Ryan T; Yannone S; Moulton MJ; Lowes B; Raichlin E. Late Right Heart Failure after Left Ventricular Assist Device Implantation: Clinical Predictors and Outcomes. The Journal of H. 2013 Apr , Vol. 32: S31 61
11. Dhar K; Moulton AM; Rome E; Qui F; Raichlin E; Um J; Moulton MJ; Eudy JD. Targeted myocardial gene expression profiling by RNA sequencing. ISHLT; San Diego, CA. 2014
12. Merritt-Genore HL; Shoiab I; Smith SP; Moulton MJ. The effect of Recombinant Factor VII on Patients Requiring ECMO Support. ISHLT; San Diego, California. Journal of Heart and Lung Transplantation. 2016 Apr
13. Siddique A; Baus JE; Merritt-Genore HL; O'Leary EL; Moulton MJ. Totally Percutaneous RVAD/ECMO Configuration Provides Versatile Support for RV Failure. ISHLT; Washington, DC. Journal of Heart and Lung Transplantation. 2016 Apr , Vol. 35: 163
14. Ryan TR; Burdorf AF; Lowes BD; Um JY; Siddique A; Merritt-Genore HL; Moulton MJ. Financial Impact of Extracorporeal Life Support on Survivors versus NonSurvivors. ISHLT; Washington, DC. Journal of Heart and Lung Transplantation. 2016 Apr , Vol. 35: 269-270
15. Jacob Moore; Kwapnoski ZJ; Moulton MJ; Um JY; Siddique A; Merritt-Genore HL. ECMO Support as Bridge TO or FROM Cardiac Transplantation. ELSO Annual Meeting; Baltimore, MD. ASAIO. 2017
16. Berkheim DB; nicholas ta; Moulton MJ; Strah HM; Siddique A. Pain Pathway in Lung Transplantation is Associated with Excellent Peri-Operative Outcomes: A Case Series. International Society for Heart and Lung Transplantation Annual Scientific Sessions; San Diego, CA. Journal of Heart and Lung Transplant. 2017
17. Peled-Potashnik Y; Varnado S; Lowes BD; Zolty R; Lyden ER; Moulton MJ; um jy; Raichlin E. Sinus Tachycardia Is Associated with Impaired Exercise Tolerance following Heart Transplantation. Clinical Transplantation. 2017 Mar
18. Merritt HM; Um J; Siddique A; Moulton MJ. The Effect of Recombinant-Activated Factor VII on Patients Requiring ECMO Support. ISHLT; Journal of Heart and Lung Transplantation. 2017 Apr
19. Varnado S; Peled-Potashnik Y; Huntsberry AM; Lowes BD; Zolty R; Burdorf AF; Lyden ER; Moulton MJ; um jy; Raichlin E. Effect of Diltiazem on Exercise Capacity after Heart Transplantation. Clinical Transplantation. 2017 May
20. Moore, Jacob; Kwapnoski ZJ; Um JY; Moulton MJ; Siddique A; Merritt. ECMO Support as Bridge TO or FROM Cardiac Transplantation. ELSO Annual Meeting; ASAIO. 2017 Sep , Vol. 63: 35
21. Lundgren SW; Poon C; Selim AM; Lowes BD; Zolty R; Burdorf AF; Peled-Potashnik Y; Moulton MJ; um jy; Raichlin E. Depression and Anxiety in patients undergoing left ventricular assist device implantation. International Journal of Artificial Organs. 2017 Nov
22. Aggarwal S; Pavlides GS; oleary e; Siddique A; Merritt-Genore HL; Moulton MJ; Gumina RJ; Aronow HD; Goldsweig AM. Hemodynamics of Balloon-Expandable vs. Self-Expanding Transcatheter Aortic Valves. Transcatheter Valve Therapies; Chicago, IL. 2018 Jun
23. Asawaer M; Pavlides GS; Chatzizisis IS; oleary e; Siddique A; Merritt-Genore HL; Moulton MJ; Gumina RJ; Goldsweig AM. Patient Radiation Exposure Surrounding Transcatheter Aortic Valve Replacement. Transcatheter Therapeutics; Sand Diego, CA. 2018 Sep

H. PUBLISHED AUDIOVISUAL OR COMPUTER-BASED EDUCATIONAL MATERIALS AND COMPUTER SOFTWARE

Not Applicable

I. PUBLISHED CONTINUING EDUCATION MATERIALS

Not Applicable

J. EDITORIALS

Not Applicable

K. CONFERENCE PROCEEDING

Not Applicable